

TABLE 51. Statistical profile of postgraduation plans of doctorate recipients, by sex and broad field of study: 2009

Characteristic	All fields	Life sciences ^a	Physical sciences ^b	Social sciences ^c	Engineering	Education	Humanities	Other non-S&E fields
All doctorate recipients (number)	49,562	11,402	8,331	7,836	7,634	6,531	4,899	2,929
	Number							
Postgraduation status ^d								
Definite postgraduation study	11,495	4,569	2,976	1,613	1,643	224	359	111
Definite employment	18,422	2,218	2,388	3,275	2,832	3,748	2,294	1,667
Seeking employment or study	11,917	2,737	1,923	1,687	2,070	1,479	1,464	557
Other ^e	1,765	735	200	187	241	183	156	63
	Percent							
Definite postgraduation study ^{f,g}								
Postdoc fellowship	53.3	59.2	44.0	70.7	32.2	35.7	82.2	61.3
Postdoc research associateship	42.5	36.7	54.7	20.3	65.5	41.5	13.9	34.2
Other ^h	4.2	4.0	1.3	9.0	2.3	22.8	3.9	4.5
Definite employment ⁱ								
Academe	53.6	51.8	36.6	64.0	17.8	51.9	85.9	80.3
Government	7.4	13.1	7.3	11.4	9.3	4.1	2.0	3.9
Industry/business ^j	25.2	24.7	52.4	14.0	70.3	4.0	3.5	10.1
Nonprofit	4.8	8.1	2.5	6.9	2.2	4.6	5.1	4.0
Other/unknown ^k	9.0	2.3	1.2	3.7	0.5	35.3	3.5	1.8
Primary activity ^l								
R&D	37.7	42.8	61.4	36.7	72.9	9.1	15.0	33.7
Teaching	36.5	31.5	25.8	38.3	8.5	38.9	72.2	48.4
Management or administration	14.5	11.2	4.4	7.7	5.7	41.9	7.1	10.4
Professional services	9.9	11.9	6.9	15.8	11.4	9.6	3.8	6.5
Other	1.4	2.6	1.5	1.5	1.4	0.6	1.9	1.0
Secondary activity ^l								
R&D	30.4	30.9	23.8	36.2	13.9	23.8	51.2	41.8
Teaching	17.8	14.1	10.3	24.5	8.3	19.8	16.4	33.8
Management or administration	11.7	17.1	13.6	10.5	17.9	8.8	7.2	6.0
Professional services	6.8	8.4	6.4	5.7	6.3	10.7	3.0	4.9
Other	2.4	3.3	1.6	2.5	2.1	3.0	2.7	0.9
No secondary activity	31.0	26.2	44.4	20.6	51.6	33.9	19.4	12.7
Activity unknown	9.5	11.0	9.5	9.3	8.3	9.9	8.2	10.4
Postgraduation location ^m								
United States ⁿ	90.2	91.8	87.7	87.3	88.6	96.5	90.6	89.0
New England	8.1	10.2	9.2	8.9	7.4	3.8	7.9	6.0
Middle Atlantic	13.4	12.0	13.8	14.5	12.8	12.3	16.2	14.5
East North Central	11.7	9.9	10.9	11.9	11.2	12.9	14.3	15.1
West North Central	5.7	6.3	3.3	5.4	3.3	9.8	6.3	7.0
South Atlantic	16.7	19.1	13.8	17.1	13.6	20.3	15.3	16.4
East South Central	3.7	3.4	2.6	3.1	2.5	6.7	4.9	4.8

TABLE 51. Statistical profile of postgraduation plans of doctorate recipients, by sex and broad field of study: 2009

Characteristic	All fields	Life sciences ^a	Physical sciences ^b	Social sciences ^c	Engineering	Education	Humanities	Other non-S&E fields
West South Central	7.9	7.8	6.6	7.1	7.8	10.0	8.6	9.5
Mountain	5.6	5.0	5.3	4.5	6.4	8.2	5.0	4.4
Pacific and insular	16.7	16.9	21.6	14.2	23.1	11.7	11.6	10.5
Not in United States	9.7	8.1	12.2	12.6	11.3	3.5	9.3	11.0
Location unknown	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1
Male doctorate recipients (number)	26,338	5,180	5,868	3,259	6,006	2,160	2,358	1,507
Number								
Postgraduation status ^d								
Definite postgraduation study	6,493	2,217	2,160	547	1,279	68	175	47
Definite employment	9,704	908	1,668	1,506	2,293	1,318	1,120	891
Seeking employment or study	6,147	1,139	1,313	694	1,585	424	720	272
Other ^e	889	366	139	59	179	66	51	29
Percent								
Definite postgraduation study ^{f,g}								
Postdoc fellowship	49.8	59.6	44.1	65.4	31.8	39.7	79.4	66.0
Postdoc research associateship	46.8	36.0	54.7	26.3	65.9	38.2	16.6	29.8
Other ^h	3.4	4.4	1.3	8.2	2.3	22.1	4.0	4.3
Definite employment ⁱ								
Academe	47.7	44.0	32.5	64.5	17.4	51.9	82.8	78.8
Government	8.1	16.1	6.9	12.2	9.1	4.8	3.4	3.7
Industry/business ^j	33.6	30.6	56.9	14.0	71.0	4.2	3.7	11.0
Nonprofit	4.4	7.4	2.5	6.3	2.0	4.7	6.0	5.0
Other/unknown ^k	6.3	1.8	1.3	3.0	0.5	34.5	4.1	1.5
Primary activity ^l								
R&D	46.4	51.9	65.4	42.4	74.1	8.9	15.1	36.6
Teaching	30.8	24.3	21.8	35.8	8.1	35.2	71.7	46.1
Management or administration	12.7	10.5	3.9	8.1	5.8	48.8	6.7	10.8
Professional services	8.8	11.0	7.5	12.6	10.9	6.9	4.3	5.5
Other	1.3	2.2	1.4	1.1	1.1	0.2	2.2	1.0
Secondary activity ^l								
R&D	27.7	27.8	21.7	35.1	13.6	22.7	51.6	40.3
Teaching	17.5	13.5	10.4	28.6	8.4	21.2	16.3	36.7
Management or administration	13.2	20.8	14.4	10.7	19.3	9.2	6.8	6.0
Professional services	6.5	9.6	6.0	5.2	6.4	10.5	2.9	5.0
Other	2.0	2.9	1.5	1.9	2.0	2.5	2.4	0.6
No secondary activity	33.1	25.4	46.0	18.5	50.2	33.9	20.0	11.3
Activity unknown	9.6	11.2	10.3	9.6	8.5	8.4	8.0	12.8
Postgraduation location ^m								

TABLE 51. Statistical profile of postgraduation plans of doctorate recipients, by sex and broad field of study: 2009

Characteristic	All fields	Life sciences ^a	Physical sciences ^b	Social sciences ^c	Engineering	Education	Humanities	Other non-S&E fields
United States ⁿ	88.4	90.9	87.0	82.3	88.0	95.1	90.3	87.6
New England	8.0	10.7	8.6	9.0	7.4	3.8	6.4	4.6
Middle Atlantic	13.2	11.9	13.8	14.2	12.2	11.8	16.6	14.2
East North Central	11.7	9.9	11.0	11.8	11.5	12.8	14.3	15.4
West North Central	5.0	6.1	3.0	5.3	3.3	10.1	6.7	5.7
South Atlantic	15.4	17.8	13.2	16.0	13.3	19.2	15.3	17.1
East South Central	3.5	3.4	2.7	2.8	2.5	6.4	5.4	5.2
West South Central	7.6	7.7	6.6	5.7	7.7	10.1	9.5	9.7
Mountain	5.6	5.1	5.2	4.2	6.4	9.0	5.5	4.1
Pacific and insular	17.6	17.1	22.0	12.7	23.1	11.2	10.0	11.0
Not in United States	11.5	9.0	12.9	17.6	11.8	4.9	9.5	12.4
Location unknown	0.1	0.1	0.1	0.1	0.1	0.0	0.2	0.0
Female doctorate recipients (number)	23,190	6,212	2,450	4,575	1,623	4,370	2,540	1,420
	Number							
Postgraduation status ^d								
Definite postgraduation study	5,001	2,351	816	1,066	364	156	184	64
Definite employment	8,717	1,310	720	1,769	539	2,430	1,173	776
Seeking employment or study	5,768	1,598	609	993	484	1,055	744	285
Other ^e	876	369	61	128	62	117	105	34
	Percent							
Definite postgraduation study ^{f,g}								
Postdoc fellowship	57.8	58.9	43.6	73.4	33.5	34.0	84.8	57.8
Postdoc research associateship	37.1	37.3	54.8	17.3	64.0	42.9	11.4	37.5
Other ^h	5.1	3.7	1.6	9.4	2.5	23.1	3.8	4.7
Definite employment ⁱ								
Academe	60.2	57.2	46.2	63.5	19.5	51.9	88.9	81.9
Government	6.6	10.9	8.4	10.7	9.8	3.8	0.6	4.1
Industry/business ^j	15.9	20.6	41.9	14.1	67.3	3.9	3.4	9.0
Nonprofit	5.3	8.6	2.4	7.3	2.8	4.6	4.3	2.9
Other/unknown ^k	12.0	2.7	1.1	4.4	0.6	35.8	2.8	2.1
Primary activity ^l								
R&D	27.9	36.5	52.4	31.9	68.1	9.3	14.9	30.6
Teaching	42.9	36.4	34.8	40.4	10.2	40.9	72.7	51.0
Management or administration	16.4	11.7	5.4	7.3	5.4	38.0	7.5	9.9
Professional services	11.1	12.5	5.6	18.5	13.9	11.1	3.3	7.5
Other	1.6	2.9	1.8	1.8	2.4	0.7	1.7	1.0
Secondary activity ^l								
R&D	33.4	33.1	28.6	37.1	14.9	24.4	50.9	43.4
Teaching	18.0	14.6	10.2	21.0	7.6	19.1	16.6	30.6

TABLE 51. Statistical profile of postgraduation plans of doctorate recipients, by sex and broad field of study: 2009

Characteristic	All fields	Life sciences ^a	Physical sciences ^b	Social sciences ^c	Engineering	Education	Humanities	Other non-S&E fields
Management or administration	9.9	14.5	11.6	10.4	12.0	8.6	7.6	5.9
Professional services	7.2	7.5	7.2	6.2	5.8	10.7	3.2	4.7
Other	2.8	3.7	1.7	3.0	2.4	3.3	2.9	1.3
No secondary activity	28.7	26.6	40.7	22.3	57.2	33.9	18.9	14.1
Activity unknown	9.4	10.9	7.8	9.2	7.6	10.7	8.4	7.7
Postgraduation location ^m								
United States ⁿ	92.4	92.6	89.6	90.9	91.0	97.3	90.9	90.5
New England	8.2	9.8	10.4	8.9	7.0	3.8	9.4	7.5
Middle Atlantic	13.6	12.0	13.8	14.7	14.8	12.6	15.9	14.8
East North Central	11.8	10.0	10.7	11.9	10.1	13.0	14.3	14.8
West North Central	6.5	6.4	4.0	5.5	3.4	9.6	5.8	8.6
South Atlantic	18.2	20.2	15.2	17.9	14.8	20.9	15.3	15.7
East South Central	4.0	3.4	2.4	3.4	2.5	6.8	4.5	4.3
West South Central	8.2	7.8	6.7	8.1	8.0	10.0	7.7	9.3
Mountain	5.6	4.9	5.5	4.7	6.6	7.7	4.6	4.9
Pacific and insular	15.6	16.7	20.4	15.2	23.1	11.9	13.2	10.0
Not in United States	7.6	7.3	10.4	9.1	9.0	2.7	9.0	9.4
Location unknown	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1

^a Includes agricultural sciences/natural resources, biological/biomedical sciences, and health sciences.

^b Includes mathematics and computer and information sciences.

^c Includes psychology.

^d Includes only respondents who responded to postgraduation status.

^e Includes respondents who indicated that they did not plan to work or study, respondents who indicated some other type of postgraduation plans, and respondents who indicated definite plans for other full-time degree program.

^f Does not include respondents who indicated plans for other full-time degree program.

^g Percentages are based on number of doctorate recipients reporting definite postgraduation plans for study and type of postdoctoral study.

^h "Other" includes respondents who indicated definite postgraduation study plans for traineeship, internship/clinical residency, or other study.

ⁱ Percentages are based on number of doctorate recipients reporting definite postgraduation plans for employment.

^j Includes doctorate recipients who indicated self-employment.

^k "Other" is mainly composed of elementary and secondary schools.

^l Percentages are based on number of doctorate recipients reporting definite postgraduation plans for employment and primary work activity.

^m Percentages are based on number of doctorate recipients reporting definite postgraduation plans and type of plans.

ⁿ Includes cases with a U.S. unknown region of employment after doctorate; see appendix A for states/territories included in regions.

NOTE: Due to rounding, the sum of percentages may not equal to 100.

SOURCE: NSF/NIH/USED/USDA/NEH/NASA, 2009 Survey of Earned Doctorates.